SHOCK

- 1. The Shock Syndrome is defined as inadequate tissue perfusion. Signs and symptoms in adults may include, but are not limited to:
 - a. Pulse over 120 with a systolic BP less than 90 or narrowed pulse pressure less than 20
 - b. Skin cold and clammy (may be absent in early septic shock)
 - c. Mental status: confusion, restlessness, anxiety, and lethargy
- 2. Classification of Shock: Shock may be classified as either a rate, volume, or pump problem.
 - a. Rate: Refer to bradycardia or tachycardia protocol.
 - b. Volume:
 - i. Maintain ABC's
 - ii. Cardiac Monitor
 - iii. Keep patient warm
 - iv. Consider trendelenburg
 - v. Two large bore **I.V**.'s, **fluid challenge**, may repeat as needed (500cc adult, 20cc/kg for pediatric, may repeat 3 times)
 - vi. Contact Medical Control
 - vii. Rapid transport to closest appropriate hospital
 - c. Pump:
 - i. Maintain ABC's
 - ii. Cardiac Monitor
 - iii. Keep patient warm
 - iv. Two large bore I.V.'s, TKO
 - v. Be prepared to intervene in the following ways
 - a) Fluid challenge
 - b) **Epinephrine**
 - vi. Contact Medical Control
 - vii. Rapid transport to closest appropriate hospital
 - d. Medical Control Options:
 - i. Fluid challenge 500cc LR, or .9 NS IV (pediatric dose: 20cc/kg up to 500cc)
 - ii. **Epinephrine** 1:10,000 0.5-1.0mg IV, (ET 2 times IV dose) (pediatric dose: 0.01mg [0.1cc] IV/IO) (ET 10 times IV dose)
 - iii. With severe hypotension use **Epinephrine** 1:1000 drip. Mix 2 mg in 1 liter of NS = 2 mcgs/ml, (0.001 0.1 mcg/kg/minute). Usual range 2 10 mcgs/minute (60-300 minidrops/min or 10 50 regular drops/min) titrated to raise the systolic blood pressure to 70 100 mm Hg.
 - iv. Needle aspiration of tension pneumothorax if present in obstructive shock